NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more indicated information in areas where Base Flood Elevations are considered in the control of the

Constated Base Flood Elevations shown on this map apply only landward of 0.0 North American Vertical Datum of 1988 (NAVID 98). Users of this FRIM should be aware that costated flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this justication. Elevations shown the Summary of Stillwater Elevations slow should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FRIM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydrautic considerations with regard to requirements of the National Flood Insurance Program, Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Alizona Central State Plane zone FIPS-2001E (2022), International Feet, The horizontal datum was considered to the project of the

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1989, visit the National Geodetic Survey website at National Geodetic Survey website at National Geodetic Survey at the following address:

NGS Information Services NOAA, N/NGS12 National Geodetic Survey NOAA, NNGS12 National Geodetic Survey SSMC-3, #9202 1315 East-West Highway Silver Spring, Maryland 20910-3282 (301) 713-3242

To obtain current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was derived from multiple sources. Base map imagery for eastern Pirna County was provided in digital format by the Pirna Association of Governments. These data were developed at 1-host Ground Sample Distance (GSD) from color sential photography flowin in 2002. Base map imagery for western Pirna County was derived from LOSS Imagery available for the Salte of Artona and produced at a scale of 1-12,000 from photography dated 2008 and 2007.

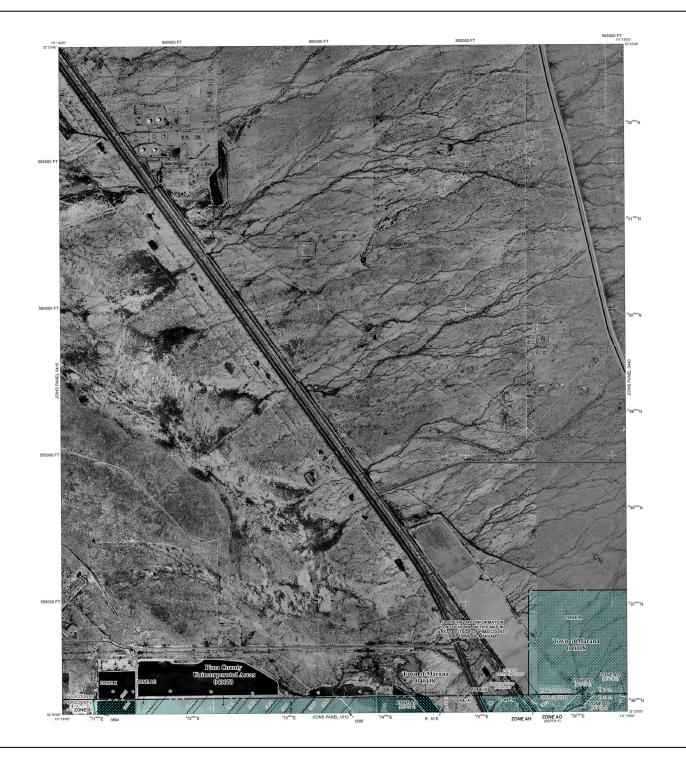
This map may reflect more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profess and Floodway 5 plast tables in the Tlood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distarthat differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this may was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map penels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

For information on available products associated with this FIRM, visit the Map Service Center (MSC) website at http://msc.tema.gov. Available products may include previously issued Letters of Map Change, a Brood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map**, how to order products, or the National Flood insurance Program in general, please call the FEMA Map Information exchange (FMA); at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at https://www.fema.gov/business/nfig.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual fixed (100-year flood), also incern as the base flood, is the flood that has a 1% chance of being equied or exceeded in any given year. The Special Flood Heard fixes is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Heard Include Zones A, AE, AH, AO, RR, AP9, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Benations determined ZONE AE Base Flood Elevations determined.

ZONE A99

(A)-

Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Bevations determined

Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coestal flood zone with velocity hazard (wave action); Base Flood

FLOODWAY AREAS IN ZONE AE

s the channel of a stream plus any adjacent floodplain areas that must be kept free nt so that the 1% annual chance flood can be carried without substantial increases

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

Areas determined to be outside the 0.2% annual chance floodplain Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas. 1% annual chance floodplain boundary

Floodway boundary Zone D boundary CBRS and OPA boundary

Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.

-----~~~ 513 ~~~ Base Flood Elevation line and value; elevation in feet*

Base Flood Bevation value where uniform within zone; elevation in feet* rican Vertical Datum of 1988 (EL 987)

Referenced to the North A (A) (2)----(2) Transect line

87°07'45", 32'22'30" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

1(00-meter Universal Transverse Mercator grid values, zone 5000-foot grid values: Arizona State Plane coordinate system, Central zone (FIPSZONE 0202), Transverse Mercator projection 600000 FT

Bench mark (see explanation in Notes to Users section of this FIRM panel) DX5510 ×

• M1.5 RiverMile

EFFECTIVE DATE(8) OF REVISION(8) TO THIS PANEL update corporate limits, to change Base Flood Elevations and Special Flood plate map format, to add roads and road names, and to incorporate previous

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

PIROGERAM

NATTIONNAL FLOXOID INSUIRANICE

MAP SCALE 1" = 1000' METERS

PANEL 0420L

FIRM

FLOOD INSURANCE RATE MAP

PIMA COUNTY, ARIZONA

AND INCORPORATED AREAS PANEL 420 OF 4750

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS COMMUNITY MARANA, TOWN OF PIMA COUNTY

NUMBER PANEL SUFFIX 040118 0420 L 040073 0420 L



MAP NUMBER 04019C0420L MAP REVISED JUNE 16, 2011

Federal Emergency Management Agency